Small Clause-based Sluicing: New type of Japanese sluicing

Masashi Harada, Linguistics Department, University of Kansas (m973h272@ku.edu)

Gloss

Nom = nominative Case, Acc = accusative Case, Gen = genitive Case, Dat. = dative Case, Top = topic, Pst = past Tense, NPst = non-past Tense, Neg = negation, Q = question particle, C = complementizer, Pss = passive, Stv. = stative, Cont. = contrastive

Background

English sluicing (Genuine sluicing)

- •English sluicing: TP deletion subsequent to overt wh-movement (Ross 1969). (1) a. Antecedent sentence
 - Taro bought something.
 - b. Sluiced sentence
 - I don't know [_{CP} what].

c. Underlying structure of the sluice in (1b) [_{CP} what_i [_{TP} Taro bouthgt t_i]]

Japanese sluicing (Pseudosluicing (Merchant 1998))

- •Japanese sluicing: deletion of the CP subject (and *de ar-*) in a copular sentence (e.g. Kizu 1997). (*de ar-* is the uncontracted form of the copula *da* (Nishiyama 1999))
- (2) a. Antecedent sentence Taroo-ga nanika-o T-Nom something-Acc

b. Sluiced sentence

I-Top

'Taro bought something.'

kat-ta. buy-Pst

sira-na-i. (underlined CP = sluice) Boku-wa [_{CP} <u>nani-o (de ar-u) ka</u>] know-Neg-NPst

'I don't know what' c. Underlying structure of the sluice in (2b) (Pseudosluicing analysis) [_{CP} **[**_{CP} **Taroo-ga kat-ta no]-ga** nani-o (de ar-u) ka] T-Nom buy-Pst C-Nom what-Acc de ar-NPst Q 'what it is that Taro bought'

what-Acc de ar-NPst Q

d. Underlying structure of the sluice in (2b) (Genuine sluicing analysis) [_{CP} nani-o_i [_{TP} Taro-ga t_i kat-ta] (*de ar-u) ka] what-Acc T-Nom buy-Pst de ar-u Q

- 'what Taro bought'
- ★1 (2b): ✓ de ar-u 7 (2c): ✓ de ar-u (2d): * de ar-u

 \rightarrow (2b) derives from (2c) by (1) deleting the subject CP and 2 optionally deleting *de ar-*.

Evidence for the availability of the deletion of (1) and (2)

(1) Japanese argument can undergo deletion (e.g. Oku1998) (3)(based on Saito's (2004) (44), 34)

- a. Antecedent sentence
- saiyoo-sare-ru Mari-wa [zibun-no teean-ga M-Top self-Gen proposal-Nom accept-Pss-Npst C think-Stv.-NPst 'Mari thinks that her proposal will be accepted.'
- b. Sentence with an embedded subject missing Ziroo-mo [[e] saiyoo-sare-ru Z-also
- **strict reading**: 'Ziro also thinks that her proposal will be accepted.' **sloppy reading**: 'Ziro also thinks that his proposal will be accepted.' c. Underlying Sentence of (3b) such that its [e] = deleted phrase
- Ziroo-mo [**zibun-no teean-ga** saiyoo-sare-ru to] omot-tei-ru M-also self-Gen proposal-Nomaccept-Pss-Npst C think-Stv.-NPst sloppy reading: 'Ziro also thinks that his proposal will be accepted.'
- d. (3b)'s counterpart where pro in [e] in (3b) is overtly spelled out Ziroo-mo [sore-ga

it-Nom Z-also **strict reading**: 'Ziro also thinks that her proposal will be accepted. ★2 (3b): ✓ sloppy reading -

- (3c):
 (3c): (3d): * sloppy reading
 - \rightarrow embedded subject in (3c) can delete, and result in (3b).

(2) de ar- can delete in the embedded clause as shown in (2c).

(underlined CP = sluice)

to] omot-tei-ru

to] omot-tei-ru accept-Pss-Npst C think-Stv.-NPst saiyoo-sare-ru to] omot-tei-ru accept-Pss-Npst C think-Stv.-NPst

- sluicing construction.
- a. Antecedent sentence (4) Taroo-wa asita nanika-o T-Top tomorrow something-Acc 'Taro will buy something tomorrow.'
 - **b. Sluiced sentence** Sikasi, [_{CP} nani-o (??de ar-u) what-Acc de ar-NPst Q-Cont. but 'But he hasn't decided what.'

ni sur- instead of de ar-

Where *de ar-*u appears in (4b), *ni sur-u*, an expression used in small clause constructions (SC), can appear instead, as in (4c). 5) Japanese small clause construction Taroo-ga [_{SC} musuko-o isya ni] si-ta si-Pst T-Nom doctor ni son-Acc 'Taro made his son a doctor.'

* *sur*-: I assume *ni* functions as connecting the SC subject and its predicate in the sense of den Dikken's (2006) RELATOR, and that sur- has a causative feature, which triggers the event denoted by the predication of his son being a doctor.

c. Sluiced sentence

Sikasi, [_{CP} [nani-o (**ni sur-u**) ka]-wa kime-tei-na-i what-Acc ni sur-NPst Q-Cont. decide-Stv.-Neg-NPst but "But he hasn't decided what"

- d. Underlying structure of the sluice in (4c) (SC) no]-**o** $\left[_{CP}\right]_{CP}$ asita ka-u tomorrow buy-NPst C-Acc X is what.'

Evidence for the availability of the deletion of (1) and (2)

Accusative Case-marked argument can also delete in Japanese. (6) a. Antecedent sentence

- Taroo-wa Ziroo-ni zibu **Z-Dat** self T-Top 'Taro gave Ziro his picture.'
- b. Sentence with an argument missing Mari-mo Yuuko-ni [e] Y-Dat M-also
- **sloppy reading**: 'Mari also gave Yuko her picture.'
- Mari-mo Yuuko-ni **zibun-no e-o** Y-Dat M-also
- Mari-mo Yuuko-ni sore-o Y-Dat it-Acc M-also strict reading: 'Mari also gave Yuko his picture.'
- ★4 (6b): ✓ sloppy reading (6c): \checkmark sloppy reading (6d): * sloppy reading
- 2 *ni sur* can delete in the embedded clause as shown in (4d).

Japanese sluicing can derive from a small clause as well. Small Clause-based sluicing

Puzzle

• A hallmark of the pseudosluicing, *de ar-*, cannot appear in every Japanese

ka-u. buy-NPst

ka]-wa

kime-tei-na-i decide-Stv.-Neg-NPst

Proposal

(ni sur-u) ka] nani-o what-Acc ni sur-NPst Q '(intended) for X such that he decides it is X that he buys tomorrow,

★3 (4c): \checkmark ni sur-u \neg → (4c) derives from (4d) by (1) deleting the SC subject CP and ② optionally deleting *ni sur*-.

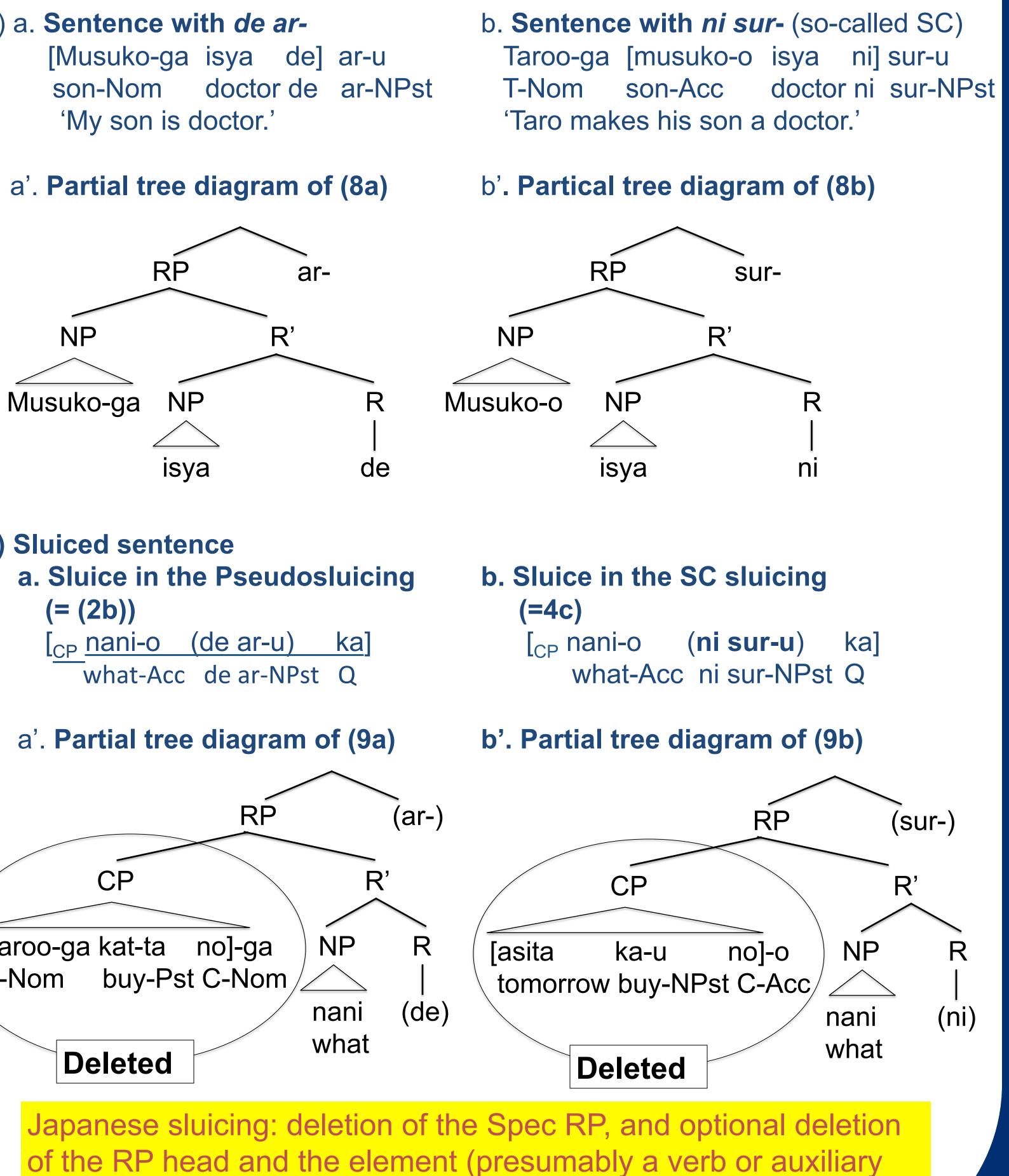
in-no	e-0	age-ta
-Gen	picture-Acc	give-Pst
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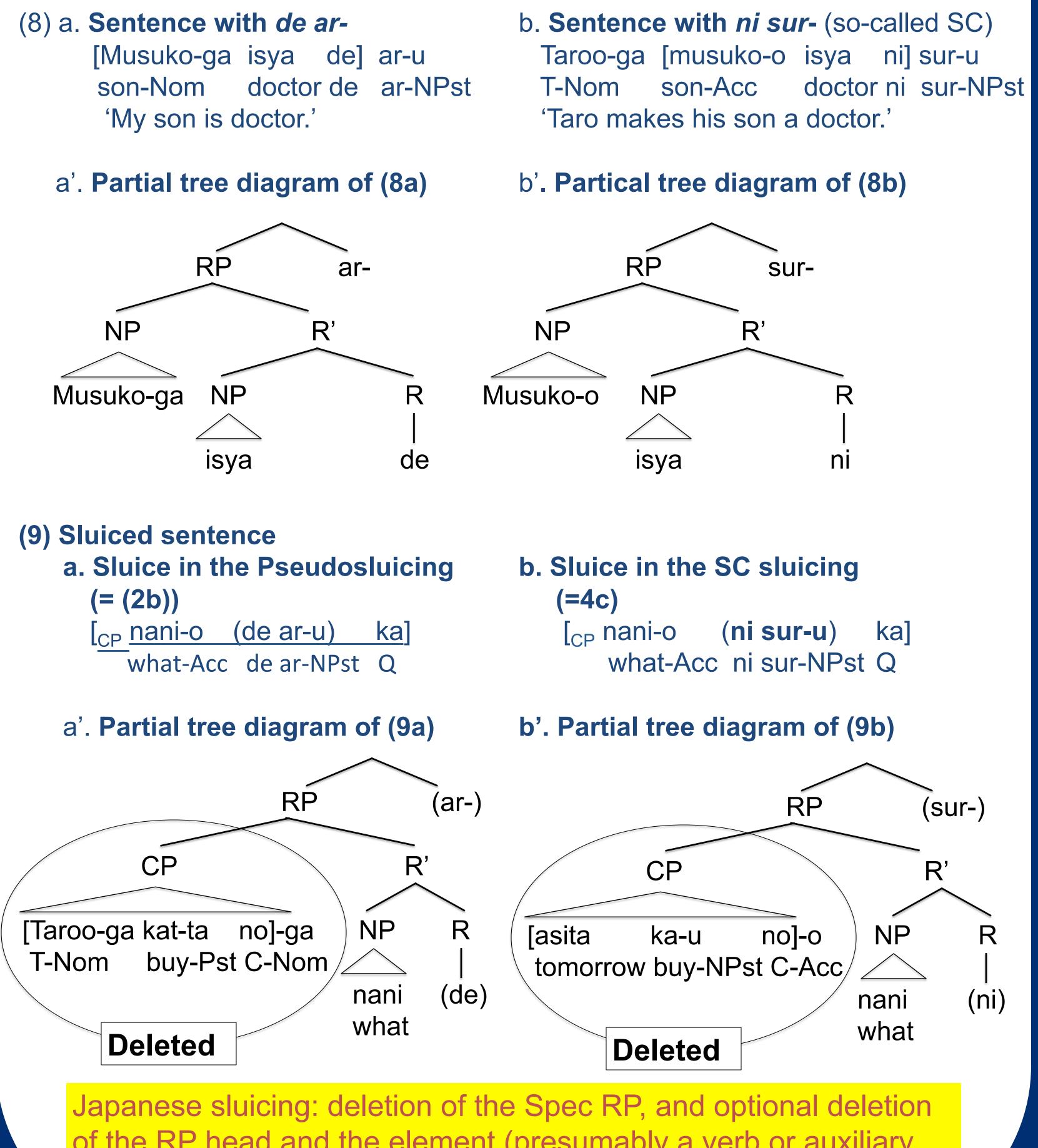
age-ta give-Pst strict reading: 'Mari also gave Yuko his picture.' c. Underlying Sentence of (6b) such that its [e] = deleted phrase age-ta self-Gen picture-Acc give-Pst **sloppy reading**: 'Mari also gave Yuko her picture.' d. (6b)'s counterpart where pro in [e] in (6b) is overtly spelled out age-ta give-Pst

> \rightarrow Accusative Case-marked argument in (6c) can delete, and result in (6b).

• In light of the following two points (7), copular sentences with de ar- and the SC with *ni sur-* can be analyzed in parallel (8), and so can two types of sluicing constructions derived from those sentences (9).

(7) a. de of de ar- can also be considered a RELATOR, heading the RP (RELATOR phrase) b. ar- of de ar- takes the RP as its complement, just like sur- of ni sur-.





 Despite the distinct looks of the Pseudosluicing and small clause-based sluicing on the surface, they are identical in nature, if we consider the deleted expressions factoring into the predicational structures of those sluicing constructions.

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Similarity between the Pseudosluicing & SC sluicing

verb) that take the RP as its complement.

Conclusion

 Japanese sluicing derives not only from a conventional copular sentence (i.e. pseudosluicing) but also from a small clause (i.e. small Clause-based sluicing).

Acknowledgment